Arizona Interoperable Channels Plan

Presentation to SIEC

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Public Safety Interoperable
Communications Office

Overview

- The Interoperable Channels Plan was last updated and approved by the SIEC on August 16, 2011.
- After publication, the PSIC Office received feedback regarding two changes which may reduce confusion in the context of working with federal agencies, and responders from outside Arizona.
  - Rename 8TAC95 and 8TAC95D
  - Replace VTAC33-34 with VTAC36-37
- The proposed changes were discussed by the Interoperable Channels Plan Working Group and are being presented to the SIEC today.

Naming of 8TAC95 and 8TAC95D

- 8TAC95 is an Arizona-only Interoperable channel. However, it looks very much like the national channel set (8TAC91, 8TAC92, etc.) which might cause confusion.
  - During the Vital Connections exercise, some participants from Federal agencies were trying to find 8TAC95 in the NIFOG.
- The NPSTC Interoperable Committee may expand the number of national interoperable channels in the future and a naming conflict would occur as they expand into the upper 90's (95, 96, 97, etc.).
- The Interoperable Channels Plan Working Group recommends changing 8TAC95 and 8TAC95D to 8AZTAC5 and 8AZTAC5D respectively.

Proposed Change #1

- Change 8TAC95 and 8TAC95D to 8AZTAC5 and 8AZTAC5D respectively.

Statewide 800 MHz Priority Programming Guide

ZONE	NAME	BAND-WIDTH	RX FREQ MHz	RX CTCSS Hz	TX FREQ MHz	TX CTCSS Hz
1	8AIRS1	20 kHz	866.0125	CSQ	821.0125	141.3
2	8AIRS2	20 kHz	866.0125	CSQ	821.0125	131.8
3	8AIRS3	20 kHz	866.0125	CSQ	821.0125	110.9
4	8AIRS4	20 kHz	866.0125	CSQ	821.0125	123.0
5	8AIRS5	20 kHz	866.0125	CSQ	821.0125	167.9
6	8CALL90	20 kHz	866.0125	CSQ	821.0125	156.7
7	8TAC91	20 kHz	866.5125	CSQ	821.5125	156.7
8	8TAC91D	20 kHz	866.5125	CSQ	866.5125	156.7
9	8TAC92	20 kHz	867.0125	CSQ	822.0125	156.7
10	8TAC92D	20 kHz	867.0125	CSQ	867.0125	156.7
11	8TAC93	20 kHz	867.5125	CSQ	822.5125	156.7
12	8TAC93D	20 kHz	867.5125	CSQ	867.5125	156.7
13	8TAC94	20 kHz	868.0125	CSQ	823.0125	156.7
14	8TAC94D	20 kHz	868.0125	CSQ	868.0125	156.7
15	8AZTAC5	20 kHz	866.0375	CSQ	821.0375	156.7
16	8AZTAC5	20 kHz	866.0375	CSQ	866.0375	156.7

† The use of 8AZTAC5 and 8AZTAC5D are unique to Arizona with the approval of the Region 3 - 800 MHz Regional Planning Committee.

Note: The names of 8TAC95 and 8TAC95D were changed to 8AZTAC5 and 8AZTAC5D on January 11, 2012.

VTAC33-34 Repeater Pair

- There is a national preference to use a high-in/low-out convention for repeaters. The VTAC33-34 repeater pair is low-in/high-out.
- The VTAC36-37 repeater pair uses the same frequencies as VTAC33-34, but follows the high-in/low-out convention.

Name	Pair (subscriber RX/TX)		Name	Pair (subscriber RX/TX)
VTAC33	VTAC14 / VTAC11		VTAC33	159.4725 / 151.1375
VTAC34	VTAC13 / VTAC12		VTAC34	158.7375 / 154.4525
VTAC36	VTAC11 / VTAC14		VTAC36	151.1375 / 159.4725
VTAC37	VTAC12 / VTAC13		VTAC37	154.4525 / 158.7375

- The Interoperable Channels Plan Working Group recommends replacing VTAC33-34 with VTAC36-37.

Proposed Change #2

- Change VTAC33-34 to VTAC36-37:

Statewide VHF Priority Programming Guide

	CURRENT NAME	BAND-WIDTH	RX FREQ MHz	RX CTCSS Hz	TX FREQ MHz	TX CTCSS Hz
1	VAIRS1	12.5 kHz	155.4750	CSQ	155.1900	141.3
2	VAIRS2	12.5 kHz	155.4750	CSQ	155.1900	131.8
3	VAIRS3	12.5 kHz	155.4750	CSQ	155.1900	110.9
4	VAIRS4	12.5 kHz	155.4750	CSQ	155.1900	123.0
5	VAIRS5	12.5 kHz	155.4750	CSQ	155.1900	167.9
6	SAR NFM	12.5 kHz	155.1600	CSQ	155.1600	127.3
7	VFIRE21	12.5 kHz	154.2800	CSQ	154.2800	CSQ
8	VMED28	12.5 kHz	155.3400	CSQ	155.3400	CSQ
9	VLAW31	12.5 kHz	155.4750	CSQ	155.4750	CSQ
10	VCALL10	12.5 kHz	155.7525	CSQ	155.7525	156.7
11	VTAC11	12.5 kHz	151.1375	CSQ	151.1375	156.7
12	VTAC12	12.5 kHz	154.4525	CSQ	154.4525	156.7
13	VTAC13	12.5 kHz	158.7375	CSQ	158.7375	156.7
14	VTAC14	12.5 kHz	159.4725	CSQ	159.4725	156.7
15	VTAC36*	12.5 kHz	151.1375	CSQ	159.4725	136.5
16	VTAC37*	12.5 kHz	154.4525	CSQ	158.7375	136.5

*NOTE: The use of tactical repeater pairs VTAC33/34 will supersede the use of VTAC11-14 since their Rx/Tx frequencies will be in use. In other words;

- VTAC36 uses the Rx of VTAC11 and the Tx of VTAC14 with a 8.335 MHz separation.
- VTAC37 uses the Rx of VTAC12 and the Tx of VTAC13 with a 4.285 MHz separation.

Note: VTAC33 and VTAC34 were replaced by VTAC36 and VTAC37 on January 11, 2012.

Discussion

Considerations

- While the proposed changes are relatively minor, our standard practice is to post draft revisions to the PSIC Office website and send to the interested parties list for public comment. Due to the holidays, the draft revision was not sent out for a public comment period.
- No additional recommendations have been brought forward since August.
- Some agencies are planning on significant programming efforts within the next month.

Options:

1. Take action today, publish and announce through the interested parties list.
2. Announce the proposed changes and allow for Public Comment, and place on the March SIEC agenda as an action item.
3. Take no action.

Thank you!

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